

LISTING OF CLAIMS

1. (Original) An Internet telephone system comprising:

an information processor having an Internet telephone function enabling to make a call to a counterpart terminal; and

a call connection controller which connects with the information processor over an Internet line and accommodates a telephone terminal; wherein

the telephone terminal is used as an Internet handset, and

as a transmission path for voice data transmitted or received by the Internet handset, a line held by the call connection controller is used.

2. (Original) The Internet telephone system, as claimed in claim 1, wherein the call connection controller has means for causing the information processor and the telephone terminal corresponding to each other to share call control information at a time of making a call to the counterpart terminal.

3. (Original) The Internet telephone system, as claimed in claim 2, wherein the call connection controller includes means for confirming, at a time of originating manipulation, whether there is a telephone terminal which has been corresponded beforehand to an originating terminal.

4. (Original) The Internet telephone system, as claimed in claim 2, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

5. (Original) The Internet telephone system, as claimed in claim 2, wherein, at a time of making a call from the telephone terminal to the counterpart terminal, call control information thereof is informed to the information processor.

6. (Original) The Internet telephone system, as claimed in claim 2, wherein voice information in the telephone terminal is transmitted/received using line equipment held by the call connection controller.

7. (Original) The Internet telephone system, as claimed in claim 2, wherein the call connection controller includes means for retaining information for specifying the information processor and information for specifying the telephone terminal by corresponding to each other, as terminal association information.

8. (Original) The Internet telephone system, as claimed in claim 7, wherein, at a time of activating origination processing, information is shared between the information processor and the telephone terminal corresponding to each other by referring to the terminal association information which has been registered beforehand in the call connection controller.

9. (Original) The Internet telephone system, as claimed in claim 2, wherein the call connection controller is a PBX(private branch exchange).

10. (Original) The Internet telephone system, as claimed in claim 1, wherein the call connection controller has means for transferring a call reception request from the counterpart terminal, to each of the information processor and the telephone terminal corresponding to each other.

11. (Original) The Internet telephone system, as claimed in claim 10, wherein the call connection controller includes means for confirming, at a time of inbound processing, whether there is a telephone terminal which has been corresponded beforehand to a receiving terminal.

12. (Original) The Internet telephone system, as claimed in claim 10, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

13. (Original) The Internet telephone system, as claimed in claim 10, wherein voice information in the telephone terminal is transmitted/received using line equipment held by the call connection controller.

14. (Original) The Internet telephone system, as claimed in claim 10, wherein the call connection controller includes means for retaining information for specifying the information processor and information for specifying the telephone terminal by corresponding to each other, as terminal association information.

15. (Original) The Internet telephone system, as claimed in claim 14, wherein, at a time of activating inbound processing, information is shared between the information processor and the telephone terminal corresponding to each other by referring to the terminal association information which has been registered beforehand in the call connection controller.

16. (Original) The Internet telephone system, as claimed in claim 2, wherein the call connection controller is a PBX.

17. (Original) The Internet telephone system, as claimed in claim 1, wherein the call connection controller includes: means for causing the information processor and the telephone terminal corresponding to each other to share call control information at a time of making a call to the counterpart terminal; and means for transferring a call reception request from the counterpart terminal, to each of the information processor and the telephone terminal corresponding to each other.

18. (Original) The Internet telephone system, as claimed in claim 17, wherein the call connection controller includes means for confirming, at a time of originating manipulation, whether there is a telephone terminal which has been corresponded beforehand to an originating terminal.

19. (Original) The Internet telephone system, as claimed in claim 17, wherein the call connection controller includes means for confirming, at a time of inbound processing, whether there is a telephone terminal which has been corresponded beforehand to a receiving terminal.

20. (Original) The Internet telephone system, as claimed in claim 17, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

21. (Original) The Internet telephone system, as claimed in claim 17, wherein, at a time of making a call from the telephone terminal to the counterpart terminal, call control information thereof is informed to the information processor.

22. (Original) The Internet telephone system, as claimed in claim 17, wherein voice information in the telephone terminal is transmitted/received using line equipment held by the call connection controller.

23. (Original) The Internet telephone system, as claimed in claim 17, wherein the call connection controller includes means for retaining information for specifying the information processor and information for specifying the telephone terminal by corresponding to each other, as terminal association information.

24. (Original) The Internet telephone system, as claimed in claim 23, wherein, at a time of activating origination processing or inbound processing, information is shared between the information processor and the telephone terminal corresponding to each other by referring to the terminal association information which has been registered beforehand in the call connection controller.

25. (Original) The Internet telephone system, as claimed in claim 2, wherein the call connection controller is a PBX.

26. (Original) A call connection controller which connects with an information processor having an Internet telephone function enabling to make a call to a counterpart terminal, accommodates a telephone terminal, and includes means for causing the information processor and the telephone terminal corresponding to each other to share call control information at a time of making a call to the counterpart terminal.

27. (Original) The call connection controller, as claimed in claim 26, comprising means for confirming, at a time of originating manipulation, whether there is a telephone terminal which has been corresponded beforehand to a originating terminal.

28. (Original) The call connection controller, as claimed in claim 26, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

29. (Original) The call connection controller, as claimed in claim 26, wherein, at a time of making a call from the telephone terminal to the counterpart terminal, call control information thereof is informed to the information processor.

30. (Original) The call connection controller, as claimed in claim 26, wherein voice information in the telephone terminal is transmitted/received over line equipment held by the call connection controller.

31. (Original) The call connection controller, as claimed in claim 26, comprising means for retaining information for specifying the information processor and information for specifying the telephone terminal by corresponding to each other, as terminal association information.

32. (Original) The call connection controller, as claimed in claim 31, wherein, at a time of activating origination processing, information is shared between the information processor and the telephone terminal corresponding to each other, by referring to the terminal association information which has been registered in the call connection controller beforehand.

33. (Original) The call connection controller, as claimed in claim 26, wherein the call connection controller is a PBX.

34. (Original) A call connection controller which connects with an information processor having an Internet telephone function enabling to make a call to a counterpart terminal, accommodates a telephone terminal, and includes means for transferring a call reception request from the counterpart terminal, to each of the information processor and the telephone terminal corresponding to each other.

35. (Original) The call connection controller, as claimed in claim 34, comprising means for confirming, at a time of inbound processing, whether there is a telephone terminal which has been corresponded beforehand to a receiving terminal.

36. (Original) The call connection controller, as claimed in claim 34, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

37. (Original) The call connection controller, as claimed in claim 34, wherein voice information in the telephone terminal is transmitted/received over line equipment held by the call connection controller.

38. (Original) The call connection controller, as claimed in claim 34, comprising means for retaining information for specifying the information processor and information for specifying the telephone terminal by corresponding to each other, as terminal association information.

39. (Original) The call connection controller, as claimed in claim 38, wherein, at a time of activating inbound processing, information is shared between the information processor and the telephone terminal corresponding to each other, by referring to the terminal association information which has been registered in the call connection controller beforehand.

40. (Original) The call connection controller, as claimed in claim 34, wherein the call connection controller is a PBX.

41. (Original) A call connection controller which connects with an information processor having an Internet telephone function enabling to make a call to a counterpart terminal, accommodates a telephone terminal, and comprises:

means for causing the information processor and the telephone terminal corresponding to each other to share call control information at a time of making a call to the counterpart terminal, and

means for transferring a call reception request from the counterpart terminal, to each of the information processor and the telephone terminal corresponding to each other.

42. (Original) The call connection controller, as claimed in claim 41, comprising means for confirming, at a time of originating manipulation, whether there is a telephone terminal which has been corresponded beforehand to an originating terminal.

43. (Original) The call connection controller, as claimed in claim 41, wherein the call connection controller includes means for confirming, at a time of inbound processing, whether there is a telephone terminal which has been corresponded beforehand to a receiving terminal.

44. (Original) The call connection controller, as claimed in claim 41, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

45. (Original) The call connection controller, as claimed in claim 41, wherein, at a time of making a call from the telephone terminal to the counterpart terminal, call control information thereof is informed to the information processor.

46. (Original) The call connection controller, as claimed in claim 41, wherein voice information in the telephone terminal is transmitted/received using line equipment held by the call connection controller.

47. (Original) The call connection controller, as claimed in claim 41, including means for retaining information for specifying the information processor and information for specifying the telephone terminal by corresponding to each other, as terminal association information.

48. (Original) The call connection controller, as claimed in claim 47, wherein, at a time of activating origination processing or inbound processing, information is shared between the information processor and the telephone terminal corresponding to each other by referring to the terminal association information which has been registered beforehand in the call connection controller.

49. (Original) The call connection controller, as claimed in claim 41, wherein the call connection controller is a PBX.

50. (Original) A terminal association method comprising the steps of:

accessing from an information processor having an Internet telephone function to a call connection controller so as to define a call path using an Internet line between an counterpart terminal; and

causing the telephone terminal accommodated in the call connection controller and corresponding to the information processor, and the information processor, to share call control information at a time of making a call from the call connection controller to the counterpart terminal.

51. (Original) The terminal association method, as claimed in claim 50, comprising a step of confirming to the call connection controller, at a time of originating manipulation, whether there is a telephone terminal which has been corresponded beforehand to an originating terminal.

52. (Original) The terminal association method, as claimed in claim 50, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

53. (Original) The terminal association method, as claimed in claim 50, wherein, at a time of making a call from the telephone terminal to the counterpart terminal, call control information thereof is informed to the information processor.

54. (Original) The terminal association method, as claimed in claim 50, wherein voice information in the telephone terminal is transmitted/received over line equipment held by the call connection controller.

55. (Original) The terminal association method, as claimed in claim 50, wherein information for specifying the information processor and information for specifying the telephone terminal are retained, by corresponding to each other, as terminal association information in the call connection controller.

56. (Original) The terminal association method, as claimed in claim 55, wherein, at a time of activating origination processing, information is shared between the information processor and the telephone terminal corresponding to each other, by referring to the terminal association information which has been registered in the call connection controller beforehand.

57. (Original) The terminal association method, as claimed in claim 50, wherein the call connection controller is a PBX.

58. (Original) A terminal association method comprising the steps of:
accessing from an information processor having an Internet telephone function to a call connection controller so as to define a call path using an Internet line between a counterpart terminal; and

transferring a call reception request from the counterpart terminal to the information processor and to the telephone terminal accommodated in the call connection controller and corresponding to the information processor.

59. (Original) The terminal association method, as claimed in claim 58, comprising a step of confirming, to the call connection controller, at a time of inbound processing, whether there is a telephone terminal which has been corresponded beforehand to a receiving terminal.

60. (Original) The terminal association method, as claimed in claim 58, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

61. (Original) The terminal association method, as claimed in claim 58, wherein voice information in the telephone terminal is transmitted/received over line equipment held by the call connection controller.

62. (Original) The terminal association method, as claimed in claim 58, wherein information for specifying the information processor and information for specifying the telephone terminal are retained, by corresponding to each other, as terminal association information in the call connection controller.

63. (Original) The terminal association method, as claimed in claim 62, wherein, at a time of activating inbound processing, information is shared between the information processor and the telephone terminal corresponding to each other, by referring to the terminal association information which has been registered in the call connection controller beforehand.

64. (Original) The terminal association method, as claimed in claim 58, wherein the call connection controller is a PBX.

65. (Original) A terminal association method comprising the steps of:
accessing from an information processor having an Internet telephone function to a call connection controller so as to define a call path using an Internet line between an counterpart terminal;

causing a telephone terminal accommodated in the call connection controller and corresponding to the information processor, and the information processor, to share call control

information at a time of making a call from the call connection controller to the counterpart terminal, and

transferring a call reception request from the counterpart terminal to the information processor and the telephone terminal corresponding to each other.

66. (Original) The terminal association method, as claimed in claim 65, comprising a step of confirming to the call connection controller, at a time of originating manipulation, whether there is a telephone terminal which has been corresponded beforehand to an originating terminal.

67. (Original) The terminal association method, as claimed in claim 65, comprising a step of confirming to the call connection controller, at a time of inbound processing, whether there is a telephone terminal which has been corresponded beforehand to a receiving terminal.

68. (Original) The terminal association method, as claimed in claim 65, wherein the telephone terminal is at least one of a radio mobile terminal and a fixed-line terminal accommodated in the call connection controller.

69. (Original) The terminal association method, as claimed in claim 65, wherein, at a time of making a call from the telephone terminal to the counterpart terminal, call control information thereof is informed to the information processor.

70. (Original) The terminal association method, as claimed in claim 65, wherein voice information in the telephone terminal is transmitted/received over line equipment held by the call connection controller.

71. (Original) The terminal association method, as claimed in claim 65, wherein information for specifying the information processor and information for specifying the telephone terminal are retained, by corresponding to each other, as terminal association information in the call connection controller.

72. (Original) The terminal association method, as claimed in claim 71, wherein, at a time of activating origination processing or inbound processing, information is shared between the information processor and the telephone terminal corresponding to each other, by referring to the

terminal association information which has been registered beforehand in the call connection controller.

73. (Original) The terminal association method, as claimed in claim 65, wherein the call connection controller is a PBX.

74. (Original) A program as an electric signal for causing a computer of the call connection controller to execute the steps of:

accessing from an information processor having an Internet telephone function to a call connection controller so as to define a call path using an Internet line between a counterpart terminal; and

causing a telephone terminal accommodated in the call connection controller and corresponding to the information processor, and the information processor, to share call control information at a time of making a call from the call connection controller to the counterpart terminal.

75. (Original) A program as an electric signal for causing a computer of the call connection controller to execute the steps of:

accessing from an information processor having an Internet telephone function to a call connection controller so as to define a call path using an Internet line between an counterpart terminal; and

transferring a call reception request from the counterpart terminal to the information processor and to a telephone terminal accommodated in the call connection controller and corresponding to the information processor.

76. (Original) A program as an electric signal for causing a computer of the call connection controller to execute the steps of:

accessing from an information processor having an Internet telephone function to a call connection controller so as to define a call path using an Internet line between an counterpart terminal;

causing a telephone terminal accommodated in the call connection controller and corresponding to the information processor, and the information processor, to share call control information at a time of making a call from the call connection controller to the counterpart terminal, and

transferring a call reception request from the counterpart terminal to the information processor and the telephone terminal corresponding to each other.